BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of CC Road at Chikkabommasandra old village in ward no. 04

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)								
		Cum							
	For RCC Drain								
	Cross Rd		1	24.00	0.90	0.90	19.44		
	Road 1 desilt		1	25.00	0.45	0.45	5.06		
	Road 2 desilt		1	57.00	0.45	0.50	12.83		
							37.33	215.28	**8035.86**
	Basic Rate Rs.=	130.00							
	Add 6% A.W Rs. =	7.80							
	Sub Total =	137.80							
	8Km Lead, Loading and Unloading =(2*1.28*8)+57	77.48							
	Total Rate Rs. =	**215.28**							
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
		Cum							
	Cross Rd		1	24.00	0.90	0.150	3.24		
	For Concrete Road cut portion								
	Road 1		1	25.00	0.90	0.150	3.38		
	Road 2		1	74.00	0.80	0.150	8.88		
	Road 3		1	65.00	0.80	0.150	7.80		
							23.30	5421.90	**126303.16**
	Basic Rate Rs.=	5115.00							
	Add 6% A.W Rs. =	306.90							
	Total Rate Rs. =	**5421.90**							
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)								
	For RCC Drain	Cum							
	Bottom slab								
	Cross Rd		1	24.00	0.75	0.15	2.70		
	side walls								
	Cross Rd		2	24.00	0.15	0.60	4.32		
							7.02		
					Net Qty.		**7.02**	7070.20	**49632.80**
	Basic Rate Rs.=	6670.00							
	Add 6% A.W Rs. =	400.20							

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	Total Rate Rs. =	**7070.20**							
4	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)								
	Considering steel For Drain @ 60 kg / cum	Tonne		7.02	0.060	--	0.42		
							0.42	73992.24	**31165.53**
	Basic Rate Rs.=	**69804.00**							
	Add 6% A.W Rs. =	**4188.24**							
	Total Rate Rs. =	**73992.24**							
5	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For drain cover slab	Sqm							
	Cross Rd		1	24.00	0.75	--	18.00		
	Road 1 missing slab		30	0.60	0.75	--	13.50		
							31.50	2337.00	**73615.50**
6	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. (P.No-176,I No-22.6.1)								
	For Concrete Road	Cum							
	Road 1		1	25.00	5.00	0.150	18.75		
	Road 2		1	74.00	4.40	0.150	48.84		
	Road 3		1	65.00	3.20	0.150	31.20		
							98.79	5210.96	**514790.74**
	Basic Rate Rs.=	**4916.00**							
	Add 6% A.W Rs. =	**294.96**							
	Total Rate Rs. =	**5210.96**							
	Add GST @ 12%						Sub Total 1 Rs		803543.60
									96425.23
	Miscellaneous & Rounding off						Sub Total 2 Rs		899968.83
									31.17
							Total Rs.		900000.00

CERTIFICATE:

1. The work spot has been inspected by me and the work is found to be necessary.
2. The estimate is prepared as per PW, P&IWTD S.R Bangalore circle for the year 2018-2019.
3. The Provisions made in the estimate are quite necessary and adequate.
4. The area comes with in the BBMP limits.

Assistant Engineer

Administrative Approval

Accorded For Rs 9.00 lakhs only

Head of A/C 1971

Assistant Executive Engineer

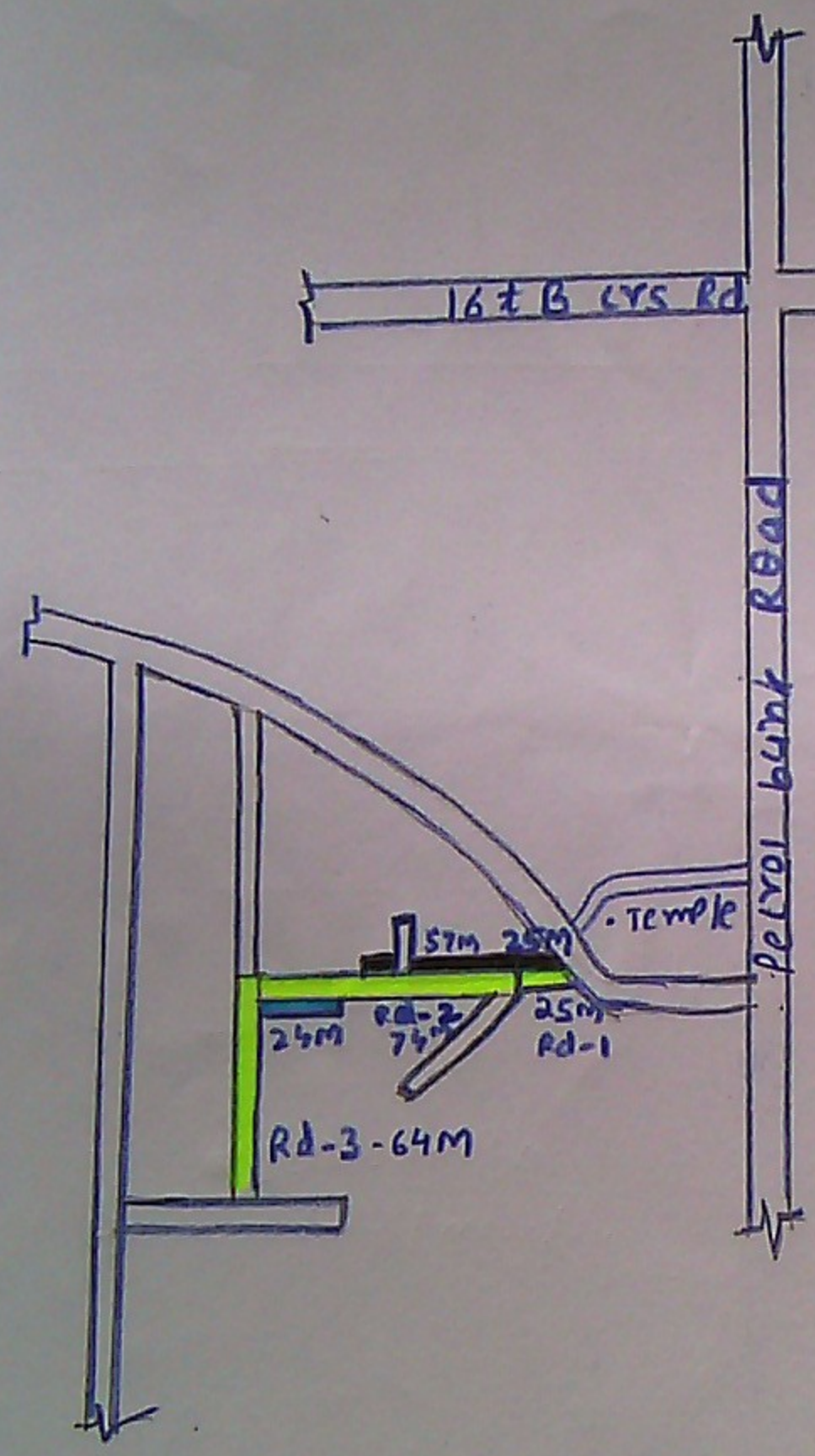
CER No: 205 Dt: 25-03-2020

Executive Engineer

TA

CE (Y&K)

Construction of C.C Rd at chikkabommasandra old village in Ward No-04



Ramanjeenath

Faculty

- C-C Rd
- Rcc Drain
- Rcc Desilt